GS Portalac PE12V24A

General Specifications
7/17/2000

1 **Nominal Voltage** 12

2 **Nominal Capacity**

0.05 C	1.20 A to	10.50 V	24.00 Ah
0.10 C	2.40 A to	10.50 V	22.00 Ah
0.20 C	4.80 A to	10.20 V	19.20 Ah
1.00 C	24.00 A to	9.00 V	12.80 Ah

3 **Dimensions**

	Length	Width	Height	Terminal Height
Inches	6.89	6.54	4.92	4.92
mm	175.0	166.0	125.0	125.0

4 **Weight (Approx.)** 20.72 Lbs 9.40 Kg

5 **Internal Resistance** (approximatley) 9.0 mOhm

6 **Energy Density @ 0.05C**

Watt-Hours Per Cubic Inch 1.30
Watt-Hours Per Litre 79.31

7 **Specific Energy @ 0.05C**

Watt-Hours Per Pound 13.90
Watt-Hours Per Kg 30.64

8 **Maximum Discharge Current with standard terminals**

144.0 Amperes

9 **Maximum Short Duration Discharge Current (less than 5 sec.)**

360 Amperes

10 **Vibration Test** (2000 cycles/minute, 0.10 inch excursion, 2 hours)
No loss in capacity or performance

11 **Charge Retention (shelf life)**

% of nominal capacity at 77ºF (25ºC)

1 month	97%
3 months	91%
6 months	85%

12 **Operating Temperature Range**

Charge	32ºF (0ºC)	to 104ºF (40ºC)
Discharge	–4ºF (–20ºC)	to 122ºF (50ºC)
Storage	–4ºF (–20ºC)	to 104ºF (40ºC)

13 **Case Material**

Synthetic resin (ABS)

14 **Standard Terminal**

B1: M5 Bolt & Nut type

Constant Voltage Recharge Methods

Cyclic Use:

Charging Voltage 14.40 ~ 14.70 Volts DC
Maximum Initial Charging Current 6.00 Amperes
*Recommended Minimum Initial Charging Current 2.40 Amperes
Remove from Charge or Switch to Standby Charge when Current Draw Falls to 240 mA

Standby Use:

Charging Voltage 13.50 ~ 13.80 Volts DC
*Recommended Standby Charging Voltage 13.65 Volts DC
Maximum Initial Charging Current No Limit